

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G06T5/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 870 494 A (KANDA SHINJI ET AL) 9 February 1999 (1999-02-09) abstract; figures 1-37 column 1, line 28 - column 6, line 9 column 7, line 51 - column 17, line 6 -----	1-17
A	US 6 408 109 B1 (WALLACK AARON ET AL) 18 June 2002 (2002-06-18) abstract; figures 1A-3C column 2, line 53 - column 5, line 4 ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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Date of the actual completion of the International search

6 August 2004

Date of mailing of the International search report

24/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YU-SHAN LI ET AL: "SUBPIXEL EDGE DETECTION AND ESTIMATION WITH A LINE SCAN CAMERA"            PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INDUSTRIAL ELECTRONICS, CONTROL, AND INSTRUMENTATION. (IECON). CAMBRIDGE, MASSACHUSETTS, NOV. 3 - 6, 1987, NEW YORK, IEEE, US, vol. VOL. 2, 3 November 1987 (1987-11-03), pages 667-675, XP000012556            the whole document</p>	1-17
A	<p>US 6 192 162 B1 (ADAMS JR JAMES E ET AL)            20 February 2001 (2001-02-20)            abstract; figures 1-6D            column 1, line 10 - column 2, line 4</p>	1-17
A	<p>IKONOMOPOULOS A: "An approach to edge detection based on the direction of edge elements"            COMPUT. GRAPH. IMAGE PROCESS. (USA), COMPUTER GRAPHICS AND IMAGE PROCESSING, JUNE 1982, USA, vol. 19, no. 2, 1982, pages 179-195, XP009034869            ISSN: 0146-664X            the whole document</p>	1-17
A	<p>NALWA V S ET AL: "On detecting edges"            IEEE TRANS. PATTERN ANAL. MACH. INTELL. (USA), IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, NOV. 1986, USA, vol. PAMI-8, no. 6, 1986, pages 699-714, XP001194702            ISSN: 0162-8828            the whole document</p>	1-17
A	<p>DOYLE T ET AL: "PROGRESSIVE SCAN CONVERSION USING EDGE INFORMATION"            SIGNAL PROCESSING OF HDTV, 2. TURIN, AUG. 30 - SEPT. 1, 1989, PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON HDTV, AMSTERDAM, ELSEVIER, NL, vol. WORKSHOP 3, 30 August 1989 (1989-08-30), pages 711-721, XP000215289            cited in the application            the whole document</p>	1-17
A	<p>US 5 148 269 A (DE HAAN GERARD .ET AL)            15 September 1992 (1992-09-15)            cited in the application            the whole document</p>	1-17

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 019 903 A (WILKINSON JAMES H ET AL)  28 May 1991 (1991-05-28)  cited in the application  the whole document</p>	1-17

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			DE 69029999 T2	14-08-1997
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